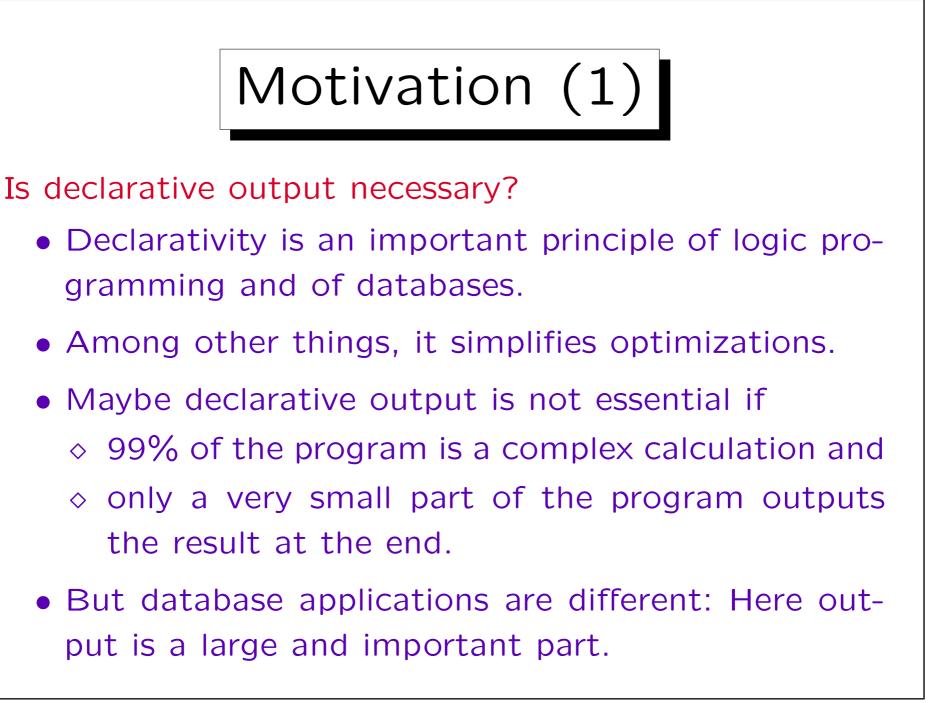
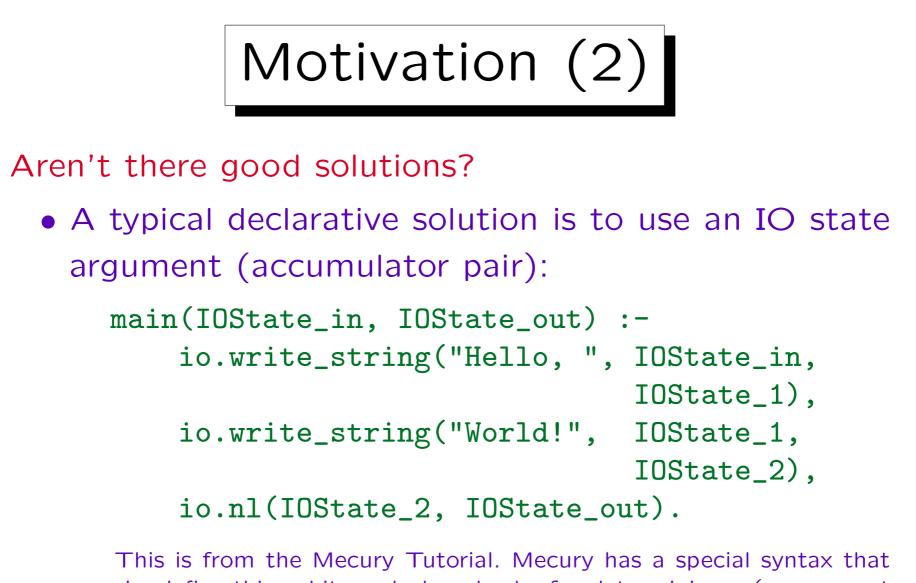
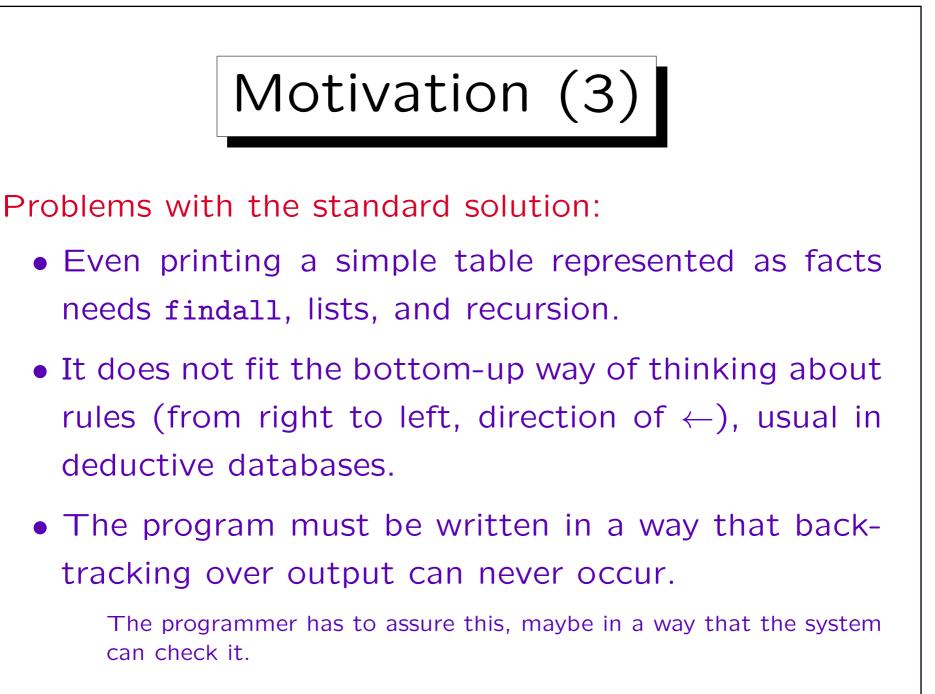
Declarative Output by Ordering Text Pieces

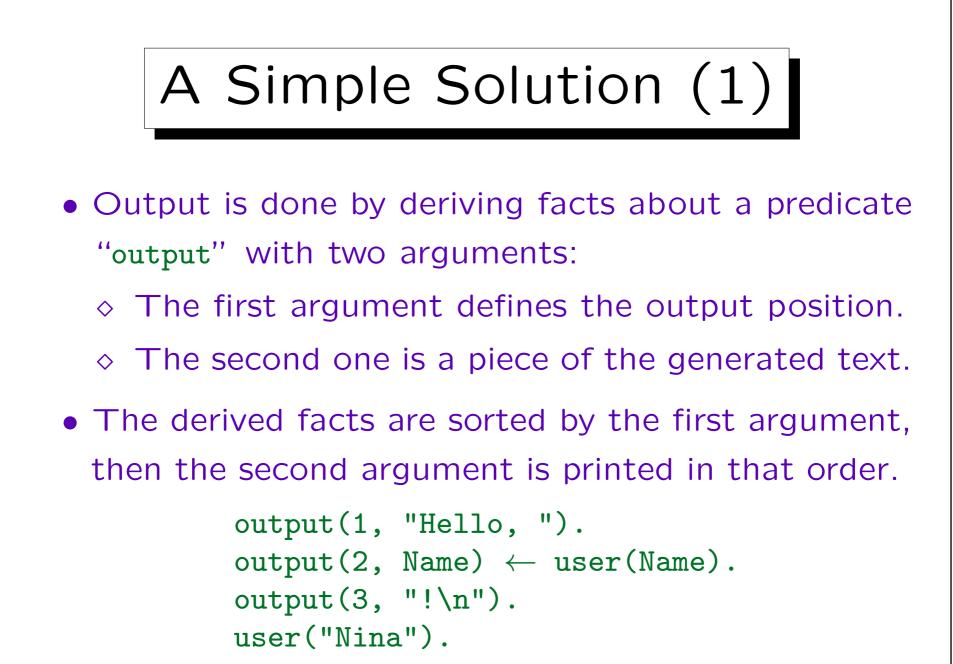
Stefan Brass University of Halle, Germany

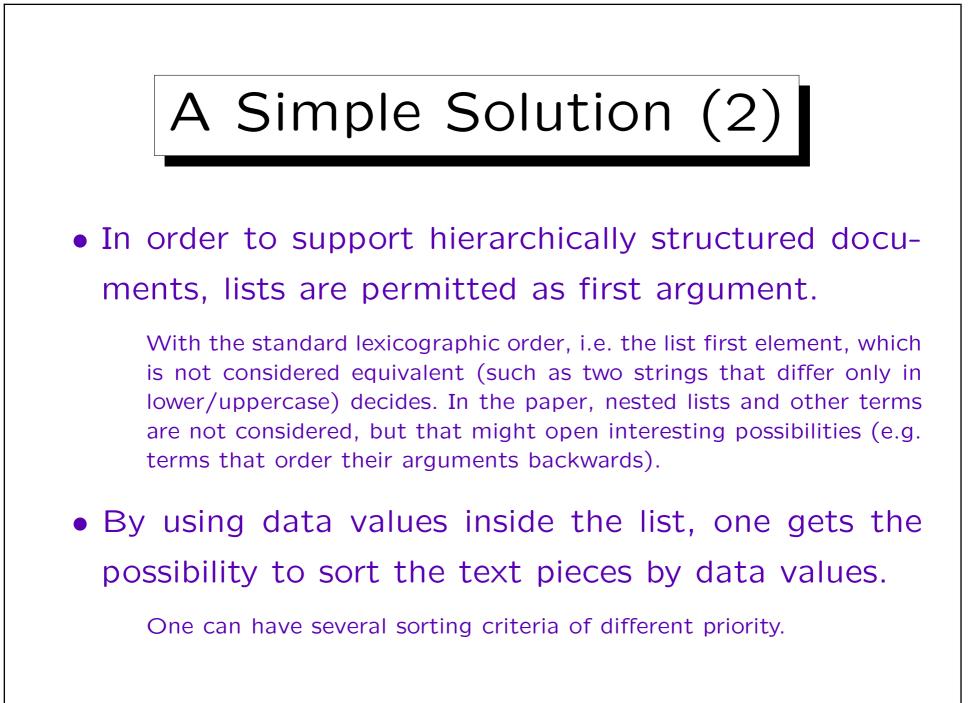


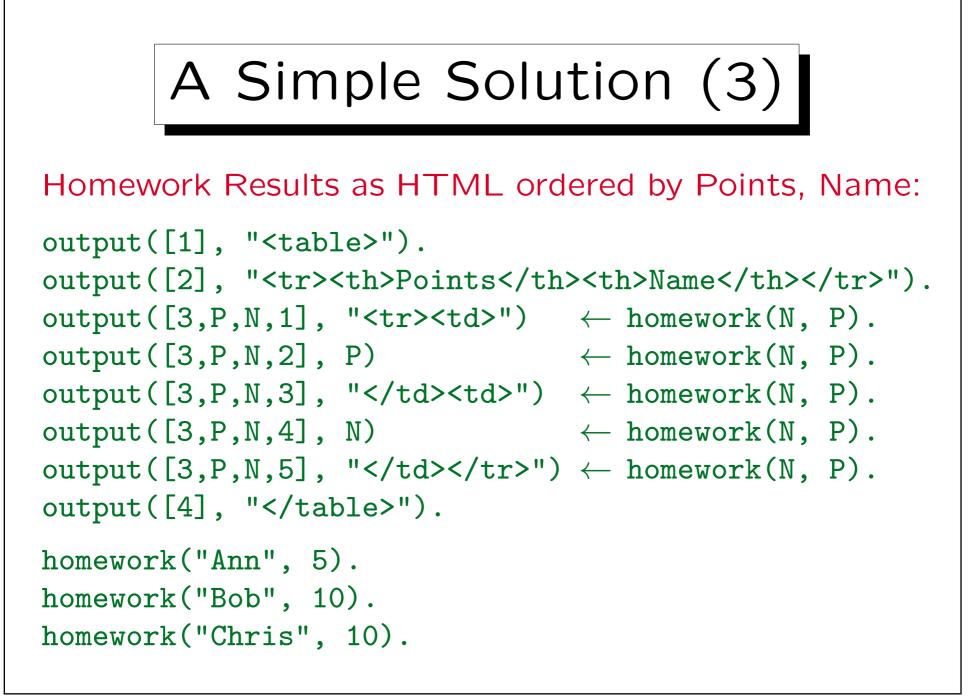


simplyfies this a bit, and also checks for determinismn (one cannot backtrack over IO).



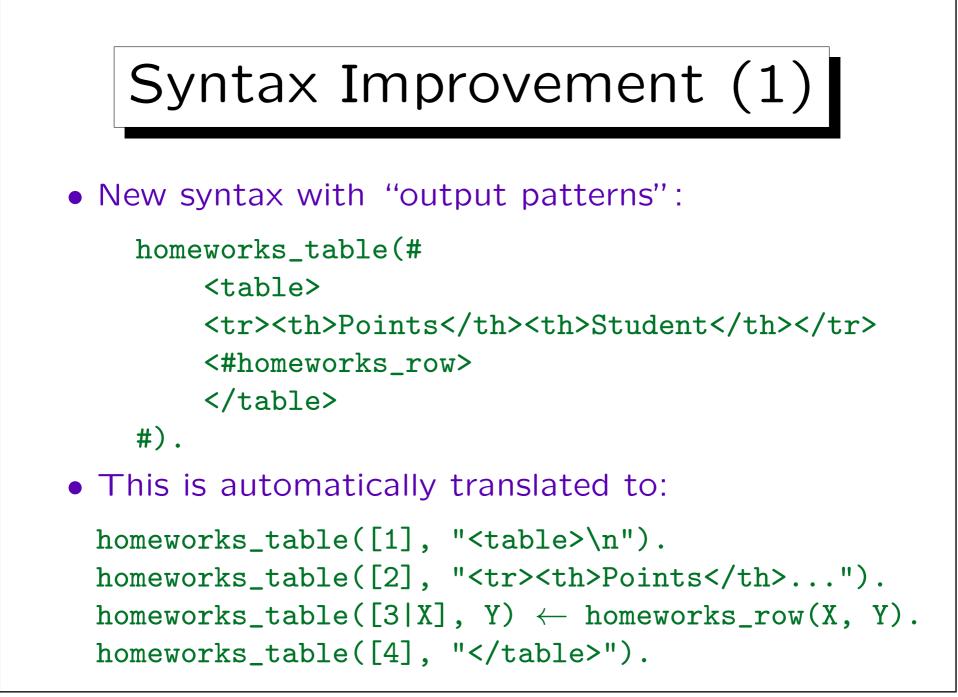


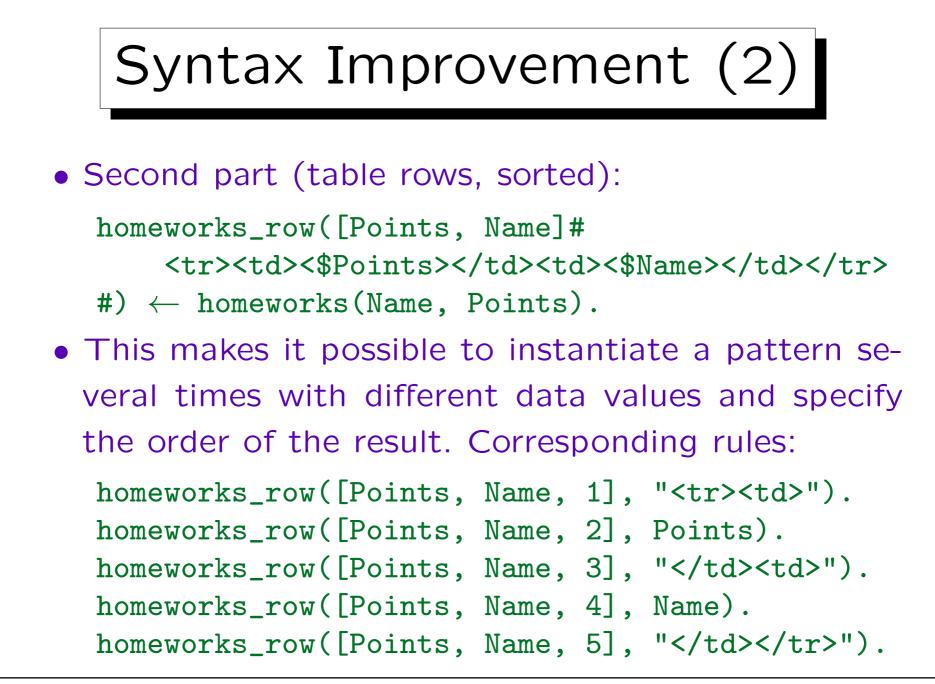


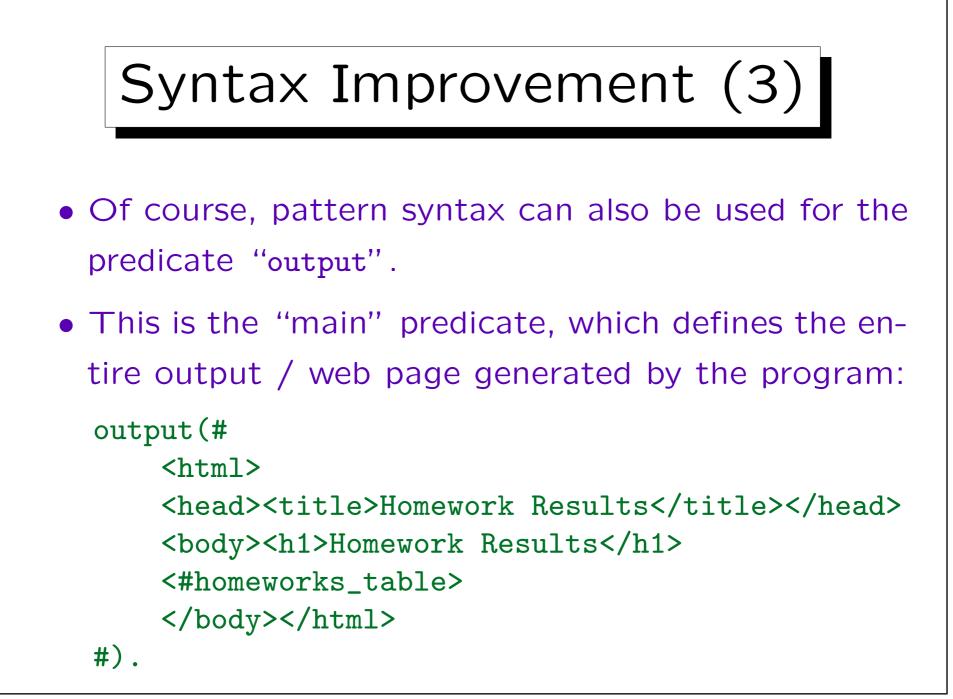


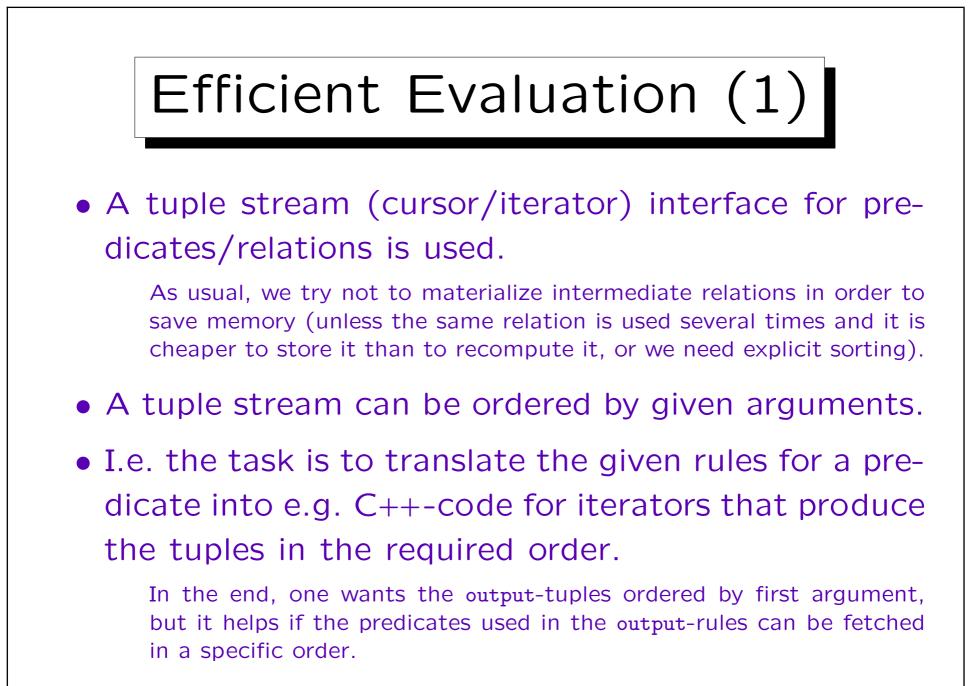
Important Notice

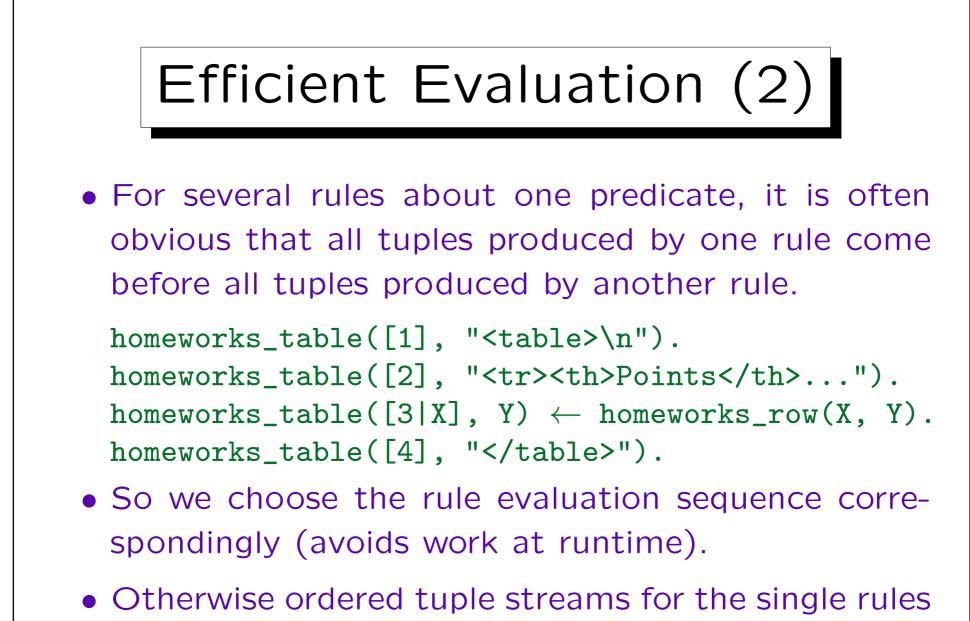
- While the above approach can be used to give a declarative semantics to output, and theoretically investigate the possibilities,
 - ♦ the syntax is too complicated for actual usage,
 - ◊ sorting is a relatively expensive operation, so a direct implementation might be inefficient.
- Both problems can be solved.



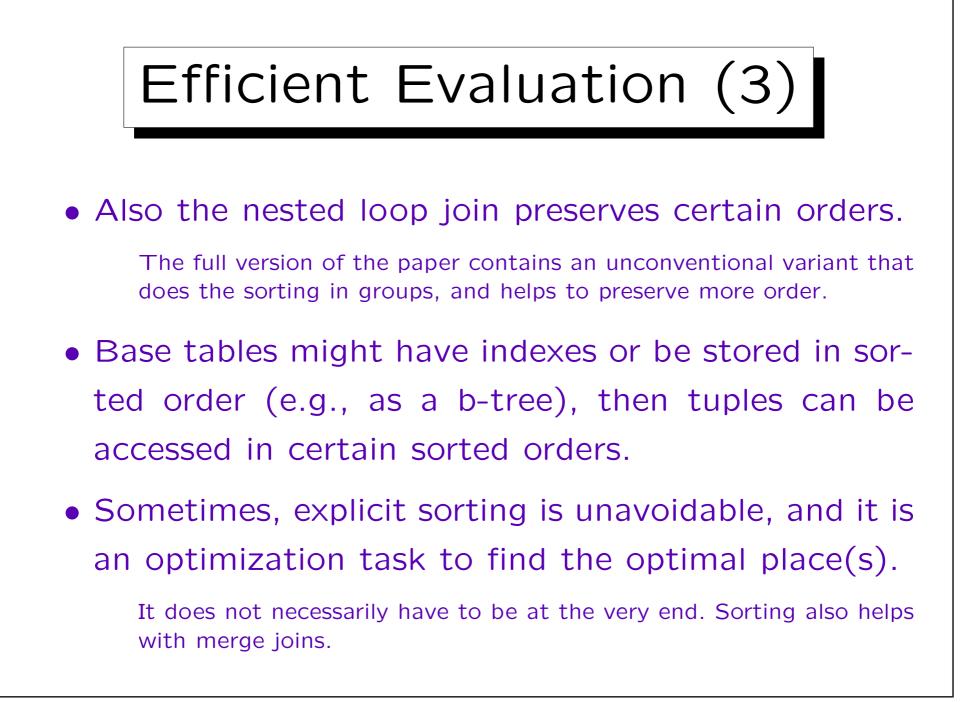








can be efficiently merged.





- For me, the main promise of deductive databases is that a single declarative language is used for
 - ◊ database queries, and
 - ◊ all usual programming tasks including output.

Maybe seldom additional built-in predicates can be written in another language like C++.

 Our goal is to write a deductive database system mainly in Datalog, and to do this by a transformation from Datalog to C++.

Thus output (for the generated code) is important for the system implementation itself.